

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/Ala Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025702**Date Inspected:** 24-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA Inspector) George Goulet was present during the times noted above for observations relative to the work being performed.

**OBG Trial Assembly Area**

Caltrans and ABF have agreed to conduct visual inspection (VT) and magnetic particle inspection (MT) of welds as part of a special joint re-inspection program. In response to ABF NDT Inspection Notification Sheet (NWIT) #09805 for MT of the following:

This QA Inspector performed random VT and then MT of approximately 15% of the area previously tested and accepted by ABF Quality Control personnel. This QA Inspector generated an MT report for this date and provided a turnover to dayshift personnel for tracking of these welds. The members were identified as follows:

OBG Segment 14W, SP3136-001. The weld designations reviewed were: 047, 048. No apparent VT or MT indications were observed. ABF personnel reported no apparent VT or MT indications were observed in weld designations SP3136-001-045, 046 was also listed on NWIT #09805. No apparent VT indications were observed by this QA Inspector and no MT was performed by this QA Inspector.

OBG Segment 14W, SP3137-001. The weld designations reviewed were: 081, 082, 083, 084. No apparent VT or MT indications were observed. ABF personnel reported no apparent VT or MT indications were observed in weld designations SP3137-001-071~080 was also listed on NWIT #09805. No apparent VT indications were observed by this QA Inspector and no MT was performed by this QA Inspector.

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OBG Segment 14W, SP3138-001. The weld designations reviewed were: 081, 082, 083, 084. No apparent VT or MT indications were observed. ABF personnel reported no apparent VT or MT indications were observed in weld designations SP3137-001-071~080 was also listed on NWIT #09805. No apparent VT indications were observed by this QA Inspector and no MT was performed by this QA Inspector.

OBG Segment 14W, SP3139-001. The weld designations reviewed were: 071, 072, 073, 074. No apparent VT or MT indications were observed. ABF personnel reported no apparent VT or MT indications were observed in weld designations SP3137-001-075~084 was also listed on NWIT #09805. No apparent VT indications were observed by this QA Inspector and no MT was performed by this QA Inspector.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

As noted above.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Goulet, George	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley, Ken	QA Reviewer

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